BSI Standards Publication

Conductors for overhead lines — Aluminium and aluminium alloy wires for concentric lay stranded conductors

National foreword

This British Standard is the UK implementation of EN IEC 62641:2022+A11:2022. It is derived from IEC 62641:2022. It supersedes BS EN IEC 62641:2022, which will be withdrawn on 6 December 2022.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A11 is indicated by ⟨A11⟩ ⟨/A11⟩.

The UK participation in its preparation was entrusted to Technical Committee GEL/7, Overhead electrical conductors.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Date	Text affected
30 November 2022	Implementation of CENELEC amendment A11:2022

EUROPÄISCHE NORM

May 2022

ICS 29.060.01; 29.240.20

Supersedes EN 62004:2009, EN 50183:2000,
EN 60889:1997

English Version

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors (IEC 62641:2022)

Conducteurs pour lignes aériennes - Fils d'aluminium et en alliage d'aluminium pour conducteurs toronnés à couches concentriques
(IEC 62641:2022)

Leiter für Freileitungen - Drähte aus Aluminium und Aluminiumlegierung für Leiter aus konzentrisch verseilten Drähten
(IEC 62641:2022)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 7/713/FDIS, future edition 1 of IEC 62641, prepared by IEC/TC 7 "Overhead electrical conductors" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62641:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-04-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-04-11

This document supersedes EN 62004:2009, EN 50183:2000 and EN 60889:1997 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 62641:2022 was approved by CENELEC as a European Standard without any modification.

European foreword to amendment A11

This document (EN IEC 62641:2022/A11:2022) has been prepared by CLC/TC 7X "Overhead electrical conductors".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-04-11
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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60050	(series)	International Electrotechnical Vocabulary (IEV)	-	-
IEC 60468	-	Method of measurement of resistivity of metallic materials	-	-
IEC TR 61597	-	Overhead electrical conductors - Calculation methods for stranded bare conductors	-	-
ISO 6892-1	-	Metallic materials – Tensile testing – Part 1: Method of test at room temperature	EN ISO 6892-1	-
ISO 7801	-	Metallic materials – Wire - Reverse bend test	-	-
ISO 7802	-	Metallic materials – Wire - Wrapping test	-	- A11

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